

1-21-04

Practitioner's Docket No.: 791\_230

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of: Hiroshi KURACHI and Sang Jae LEE

Ser. No.: 10/702,130

Filed: November 5, 2003

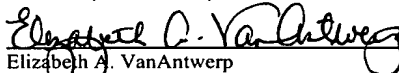
Confirmation No.: Not Assigned

For: GAS SENSOR

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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I hereby certify that this paper or fee is being deposited on *January 20, 2004* with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 addressed to: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

  
Elizabeth A. VanAntwerp

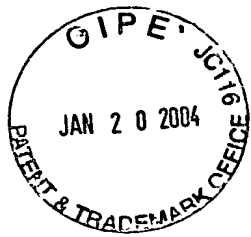
**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference listed on the attached Form PTO-1449. A copy of the reference listed on Form PTO-1449 is attached.

In compliance with the concise explanation requirement under 37 CFR § 1.98(a)(3) for foreign language documents, Reference AA is discussed at paragraph [0004] of the present specification.

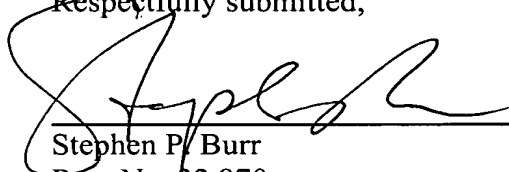
The above information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.



- 2 -

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446.

Respectfully submitted,

  
\_\_\_\_\_  
Stephen P. Burr  
Reg. No. 82,970

\_\_\_\_\_  
January 20, 2004

Date

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Form PTO-1449  US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8px;">O I P E</div> <div style="text-align: center;">JAN 20 2004</div> <div style="writing-mode: vertical-rl; font-size: 8px;">PATENT &amp; TRADEMARK OFFICE</div> </div>		<div style="text-align: right; font-weight: bold; font-size: 0.8em;">Complete if Known</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/702,130</td> </tr> <tr> <td>Filing Date</td> <td>November 5, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Hiroshi KURACHI</td> </tr> <tr> <td>Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Confirmation No.</td> <td></td> </tr> <tr> <td>Attorney Docket No.</td> <td>791_230</td> </tr> </table>		Application Number	10/702,130	Filing Date	November 5, 2003	First Named Inventor	Hiroshi KURACHI	Art Unit		Examiner Name		Confirmation No.		Attorney Docket No.	791_230
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### U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

### U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
	AA	09-318594	12-12-1997	JP			JPO Machine Translation	✓

### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)


Examiner:		Date Considered:	
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.